

**BEST AVAILABLE COPY**

**RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101 S3S, 624

Source: PCT

Date Processed by STIC: 5-27-05

***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,624

TIME: 10:53:03

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05272005\J535624.raw

```

3 <110> APPLICANT: Lee, In-Hee
4      Son, Seok-Min
5      Jang, Woong-Sik
6      Kim, Kyu-Nam
8 <120> TITLE OF INVENTION: Antimicrobial Peptide Isolated From Halocynthia Aurantium
10 <130> FILE REFERENCE: 2393.0010000
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/535,624
C--> 12 <141> CURRENT FILING DATE: 2005-05-20
12 <150> PRIOR APPLICATION NUMBER: PCT/KR2002/002195
13 <151> PRIOR FILING DATE: 2002-11-22
15 <160> NUMBER OF SEQ ID NOS: 10
17 <170> SOFTWARE: PatentIn version 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 18
21 <212> TYPE: PRT
22 <213> ORGANISM: Halocynthia aurantium
25 <220> FEATURE:
26 <221> NAME/KEY: PEPTIDE
27 <222> LOCATION: (1)..(1)
28 <223> OTHER INFORMATION: 18mer of halocydin
30 <400> SEQUENCE: 1
32 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys Gly Val
33 1          5          10          15
36 Leu Ala
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 15
42 <212> TYPE: PRT
43 <213> ORGANISM: Halocynthia aurantium
46 <220> FEATURE:
47 <221> NAME/KEY: PEPTIDE
48 <222> LOCATION: (1)..(1)
49 <223> OTHER INFORMATION: 15mer of halocydin
51 <400> SEQUENCE: 2
53 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys Gly
54 1          5          10          15
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 17
59 <212> TYPE: PRT
60 <213> ORGANISM: Halocynthia aurantium
63 <220> FEATURE:
64 <221> NAME/KEY: PEPTIDE
65 <222> LOCATION: (1)..(17)
66 <223> OTHER INFORMATION: 17mer of halocydin

```

## RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,624

TIME: 10:53:03

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05272005\J535624.raw

```

68 <400> SEQUENCE: 3
70 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys Gly Val
71 1          5          10          15
74 Leu
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 16
80 <212> TYPE: PRT
81 <213> ORGANISM: Halocynthia aurantium
84 <220> FEATURE:
85 <221> NAME/KEY: PEPTIDE
86 <222> LOCATION: (1)..(16)
87 <223> OTHER INFORMATION: 16mer of halocydin
89 <400> SEQUENCE: 4
91 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys Gly Val
92 1          5          10          15
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 14
97 <212> TYPE: PRT
98 <213> ORGANISM: Halocynthia aurantium
101 <220> FEATURE:
102 <221> NAME/KEY: PEPTIDE
103 <222> LOCATION: (1)..(14)
104 <223> OTHER INFORMATION: 14mer of halocydin
106 <400> SEQUENCE: 5
108 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys
109 1          5          10
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 13
114 <212> TYPE: PRT
115 <213> ORGANISM: Halocynthia aurantium
118 <220> FEATURE:
119 <221> NAME/KEY: PEPTIDE
120 <222> LOCATION: (1)..(13)
121 <223> OTHER INFORMATION: 13mer of halocydin
123 <400> SEQUENCE: 6
125 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala
126 1          5          10
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 12
131 <212> TYPE: PRT
132 <213> ORGANISM: Halocynthia aurantium
135 <220> FEATURE:
136 <221> NAME/KEY: PEPTIDE
137 <222> LOCATION: (1)..(12)
138 <223> OTHER INFORMATION: 12mer of halocydin
140 <400> SEQUENCE: 7
142 Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys
143 1          5          10
146 <210> SEQ ID NO: 8

```

## RAW SEQUENCE LISTING

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,624

TIME: 10:53:03

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05272005\J535624.raw

```

147 <211> LENGTH: 18
148 <212> TYPE: PRT
149 <213> ORGANISM: Halocynthia aurantium
152 <220> FEATURE:
153 <221> NAME/KEY: PEPTIDE
154 <222> LOCATION: (1)..(18)
155 <223> OTHER INFORMATION: 18mer congener of halocydin
157 <400> SEQUENCE: 8
159 Trp Leu Asn Ala Leu Leu Lys Lys Gly Leu Asn Cys Ala Lys Gly Val
160 1          5          10          15
163 Leu Ala
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 19
169 <212> TYPE: PRT
170 <213> ORGANISM: Halocynthia aurantium
173 <220> FEATURE:
174 <221> NAME/KEY: PEPTIDE
175 <222> LOCATION: (1)..(19)
176 <223> OTHER INFORMATION: 19mer of halocydin
178 <400> SEQUENCE: 9
180 Lys Trp Leu Asn Ala Leu Leu His His Gly Leu Asn Cys Ala Lys Gly
181 1          5          10          15
184 Val Leu Ala
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 19
190 <212> TYPE: PRT
191 <213> ORGANISM: Halocynthia aurantium
194 <220> FEATURE:
195 <221> NAME/KEY: PEPTIDE
196 <222> LOCATION: (1)..(19)
197 <223> OTHER INFORMATION: 19mer congener of halocydin
199 <400> SEQUENCE: 10
201 Lys Trp Leu Asn Ala Leu Leu Lys Lys Gly Leu Asn Cys Ala Lys Gly
202 1          5          10          15
205 Val Leu Ala

```

**VERIFICATION SUMMARY**

DATE: 05/27/2005

PATENT APPLICATION: US/10/535,624

TIME: 10:53:04

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05272005\J535624.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date